

CLAIMS

I claim:

1 1. A power system for an electrically powered land vehicle,
2 comprising:

3 a gas ionization and energy production section including a
4 plurality of abutting tubular members defining an airflow path
5 having an input end and an output end, each of the tubular
6 members having:

7 a rigid plate section having a plurality of heating
8 plates for exciting air to an elevated energy level, the
9 heating plates being disposed in spaced-apart relationship
10 to allow the flow of air through the section;

11 a variable positive voltage grid for collecting charged
12 particles; and

13 at least one sensor for detecting the charge of said
14 charged particles;

15 means for drawing air into the input end of the airflow path
16 in order to establish an airflow through the gas ionization and
17 energy production section;

18 means for distributing the charged particles to the land
19 vehicle's battery and propulsion system; and

20 means for regulating a potential of the variable positive
21 voltage grid.

1 2. The power system according to claim 1, wherein said
2 means for drawing air comprises a centrifugal impeller disposed
3 in said airflow path.

1 3. The power system according to claim 2, wherein said
2 means for drawing air further comprises an electric motor coupled
3 to said centrifugal impeller.

1 4. The power system according to claim 1, further
2 comprising an ionized gas neutralizing chamber at the output end
3 of said airflow path.

1 5. The power system according to claim 4, further
2 comprising a plurality of discharge electrodes extending into
3 said neutralizing chamber for discharging charged particles into
4 the airflow path in order to neutralize ionized gases in the
5 airflow path.

1 6. The power system according to claim 5, wherein each said
2 discharge electrode further comprises a shaft and a V-shaped leaf
3 rotatable around the shaft in order to slow airflow through said
4 neutralizing chamber.

1 7. The power system according to claim 1, wherein said
2 means for drawing air comprises a centrifugal impeller disposed
3 in the airflow path and an electric motor coupled to the
4 impeller, the system further comprising an ionized gas
5 neutralizing chamber surrounding the electric motor.

1 8. The power system according to claim 1, further
2 comprising means for controlling said heating plates in order to
3 vary the heat supplied to each said rigid plate section.

1 9. The power system according to claim 1, further
2 comprising an ionization sensor at the output end of the airflow
3 path for detecting an ionization potential of air exiting the
4 energy production system.

1 10. A power system for an electrically powered land
2 vehicle, the land vehicle having at least one ground-engaging
3 wheel, comprising:

4 a gas ionization and energy production section including a
5 plurality of abutting tubular members defining an airflow path
6 having an input end and an output end, each of the tubular
7 members having:

8 a rigid plate section having a plurality of heating
9 plates for exciting air to an elevated energy level, the
10 heating plates being disposed in spaced-apart relationship
11 to allow the flow of air through the section;

12 a variable positive voltage grid for collecting charged
13 particles; and

14 at least one sensor for detecting the charge of said
15 charged particles;

16 means for drawing air into the input end of the airflow path
17 in order to establish an airflow through the gas ionization and
18 energy production section;

19 means for regulating a potential of the variable positive
20 voltage grid;

21 a combination amplifier and controller electrically
22 connected to each of the variable positive voltage grids;

23 a battery electrically connected to said combination
24 amplifier and controller;

25 a drive motor coupled to the at least one ground-engaging
26 wheel, the drive motor being electrically connected to said
27 battery and said combination amplifier and controller;

28 wherein said combination amplifier and controller
29 distributes the charged particles to the battery and the drive
30 motor.

1 11. The power system according to claim 10, wherein said
2 means for drawing air comprises a centrifugal impeller disposed
3 in said airflow path.

1 12. The power system according to claim 11, wherein said
2 means for drawing air further comprises an electric motor coupled
3 to said centrifugal impeller.

1 13. The power system according to claim 10, further
2 comprising an ionized gas neutralizing chamber at the output end
3 of said airflow path.

1 14. The power system according to claim 13, further
2 comprising a plurality of discharge electrodes extending into
3 said neutralizing chamber for discharging charged particles into
4 the airflow path in order to neutralize ionized gases in the
5 airflow path.

1 15. The power system according to claim 14, wherein each
2 said discharge electrode further comprises a shaft and a V-shaped
3 leaf rotatable around the shaft in order to slow airflow through
4 said neutralizing chamber.

1 16. The power system according to claim 10, wherein said
2 means for drawing air comprises a centrifugal impeller disposed
3 in the airflow path and an electric motor coupled to the
4 impeller, the system further comprising an ionized gas
5 neutralizing chamber surrounding the electric motor.

1 17. The power system according to claim 10, further
2 comprising means for controlling said heating plates in order to
3 vary the heat supplied to each said rigid plate section.

1 18. The power system according to claim 10, further
2 comprising an ionization sensor at the output end of the airflow
3 path for detecting an ionization potential of air exiting the
4 energy production system.